

AIM Ann Report
1902 to 1903

ANNUAL REPORT

OF THE

Auckland Institute

AND

MUSEUM

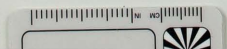
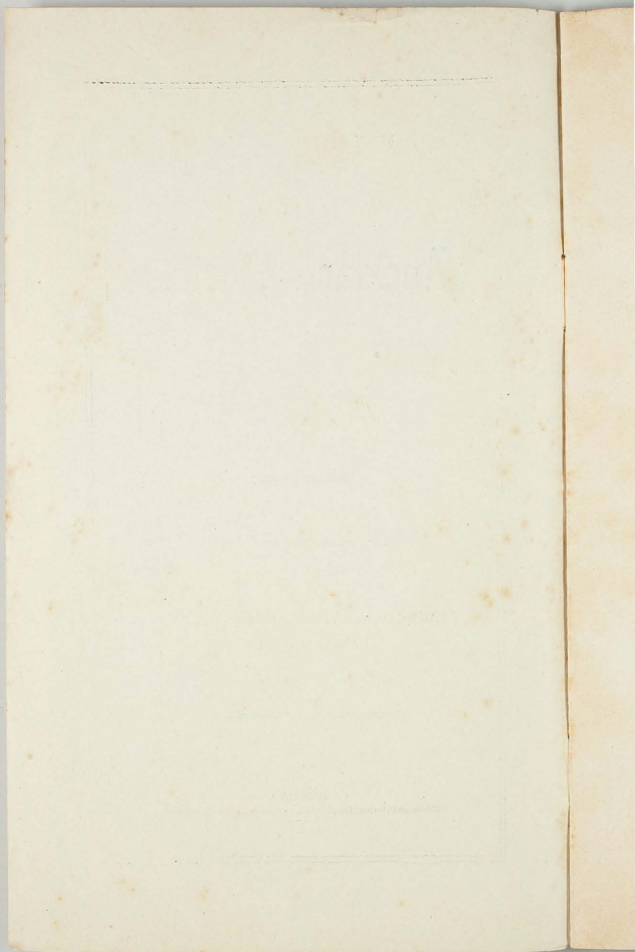
FOR 1902-1903.

Adopted at the Annual Meeting, held
February 23, 1903.

AUCKLAND :
Wilson and Horton, Herald Works, Queen and Wyndham Streets.

MDCCCIII.

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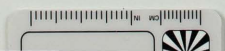
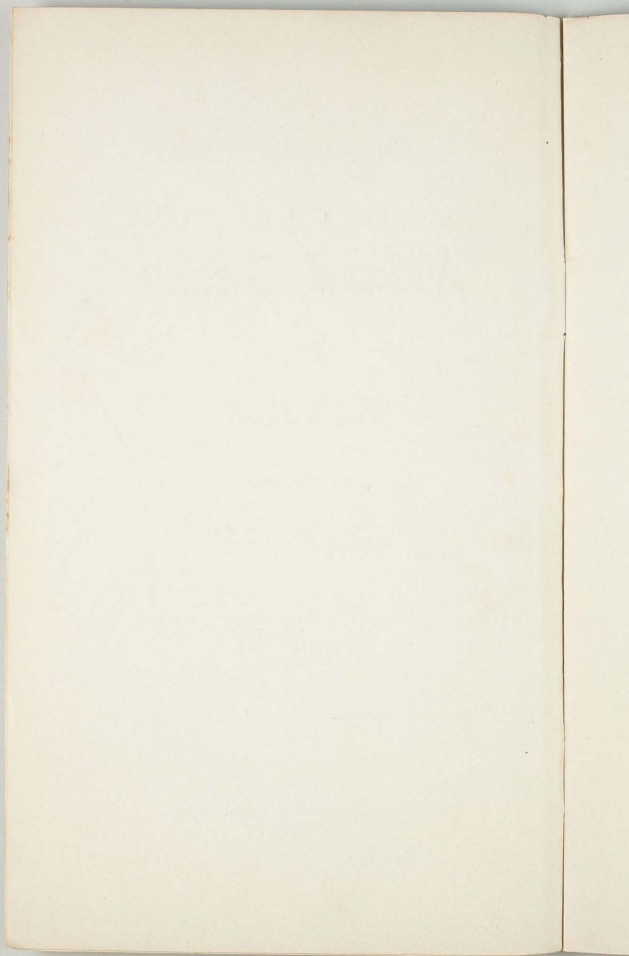
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OFFICERS
OF THE
AUCKLAND INSTITUTE.

President :

PROF. A. P. THOMAS, F.L.S.

Vice-Presidents :

E. ROBERTON, Esq., M.D.

J. STEWART, Esq., M.I.C.E.

Council :

BROWN, PROF. F. D.

PETRIE, D., Esq.

COOPER, C., Esq.

POND, J. A., Esq.

HAINES, H., Esq., F.R.C.S.

REID, J., Esq.

MILLER, E. V., Esq.

SEGAR, PROF. H. W.

PEACOCK, T., Esq.

TALBOT-TUBBS, PROF. H. A.

UPTON, J. H., Esq.

Trustees :

BROWN, PROF. F. D.

PEACOCK, T., Esq.

UPTON, J. H., Esq.

Secretary and Curator :

F. F. CHEESEMAM, F.L.S., F.Z.S.

Auditor :

W. GORRIE, Esq.

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The following

Magazines & Periodicals

Are Circulated among the Members:—

QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE

THE IBIS

NATURE

GEOLOGICAL MAGAZINE

LANCET

BOTANICAL MAGAZINE

ANNALS OF BOTANY

GARDENERS' CHRONICLE

CHEMICAL NEWS

ELECTRICAL AND TELEGRAPHIC REVIEW

ANNALS AND MAGAZINE OF NATURAL HISTORY

THE PHILOSOPHICAL MAGAZINE

AMERICAN JOURNAL OF SCIENCE.

Report of the Council.

IN accordance with the constitution of the Society, the Council have to present to the Thirty-fifth Annual Meeting of the members a Report dealing with the financial and general condition of the Institute, and its progress during the past year.

Members.—The number of new members elected during the year has been rather smaller than usual, amounting to only 10. The names withdrawn from the roll have been 8; 3 from death, and 5 from resignation. This leaves a net gain of 2, the total number on the roll at the present time being 163. The members removed by death are Mr. W. S. Wilson; Bishop Cowie, who was President of the Institute in 1883, and who served on the Council for a considerable period; and Mrs. E. A. Mackechnie. The latter did not long survive her husband, whose decease was alluded to in the Report for 1900-1901, and whose many services to the Institute are still fresh in the memory of the members. The Council have pleasure in stating that the will of the lamented lady, drawn up in compliance with the wishes of her late husband, provides for a bequest of £2,500 to the Institute. Of this, the sum of £2,000 is to be invested by the Trustees, and the annual income regularly devoted to the purchase of scientific books for the Library. The remaining amount of £500 is to be expended by the executor under the will in such additions to the Museum as he in his sole discretion shall consider advisable.

Finance.—A full statement of the financial position of the Institute is contained in the balance-sheets appended to the Report, but the following brief synopsis will be useful. The total revenue of the Working Account, omitting the balance of £76 6s 6d in hand at the commencement of the year, has been £851 14s 8d, a satisfactory increase on the ordinary income of the previous year, which was £809 8s 10d. Examining the separate items, it will be seen that the receipts from the invested funds of the Costley Bequest have been £325 13s 9d, the amount for 1901-1902 being £365 8s 2d. The Museum Endowment has yielded in rents and interest £375

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15s 7d, the sum for the previous year being £309 10s. The members' subscriptions have amounted to £141 15s, being a gratifying advance on the amount collected during the last year. The total expenditure has been £868 2s 8d, leaving a balance of £59 18s 6d in the Bank of New Zealand. There is no change of importance with respect to the invested funds of the Institute, the total amount of which is £13,996 6s 2d, showing an increase of £108 7s 5d during the year. Practically the whole of this sum is invested in mortgage on freehold securities or in Government Debentures.

Museum Endowment.—No change of importance has taken place under this head. The interest on the various investments has been regularly paid, and from time to time the Crown Lands Board have handed over the rents received from those endowments that are leased. The Council regret that there are several small endowments, mostly situated in country townships, from which no revenue is being derived, and which are apparently unsaleable at the present time.

Meetings.—Nine meetings have been held during the year, the following papers being read:—

1. Presidential Address:—By the President, DR. E. ROBERTON.
2. On the Pollination of *Rhabdotheramnus*:—By D. PETRIE.
3. Notes on a Visit to Tahiti:—By J. MARTIN.
4. Notes on the Maori Method of Catching certain Fish in the Piako River:—By CAPT. G. MAIR.
5. Chips from an Ancient Maori Workshop:—By CAPT. G. MAIR.
6. The Cultivation and Treatment of the Kumara by the Primitive Maoris:—By ARCHDEACON WALSH.
7. Japanese Mediaevalism:—By the REV. W. GRAY DIXON.
8. A Flood of Gold:—By PROF. H. W. SEGAR.
9. The Food Products of Tuhoe Land:—By ELDON BEST.
10. More Foot-tracks of Captain Cook:—By H. D. M. HAZARD.
11. Universal Equal Suffrage:—By E. E. VAILE.
12. Tennyson:—By PROF. C. W. EGERTON.
13. Nature's Efforts at Sanitation:—By R. H. MARGILL, M.D.
14. New Species of New Zealand Grasses:—By PROF. E. HACKEL.

A selection from the above will appear in the next volume of "Transactions," now being sent to press.

Museum.—The Museum has been open to the public throughout the year during the usual hours—from 10 a.m. to 5 p.m. on week-days, and from 2 to 5 p.m. on Sundays. From the register kept by the attendant on Sundays it appears that the total number of visitors on that day has been 12,656, or an average of 243 for each Sunday. The greatest attendance was 362 on July 6th; the smallest 91 on October 5th. On week-days the number of visitors varies considerably, according to the weather and other circumstances, but judging from occasional countings the daily average cannot be far from 100, making a total of 31,300, or of 43,956 for the whole year. Last year the number was estimated at 44,949.

The chief advance made by the Museum has been in the Ethnographical Department. The purchase of the Mair Collection by the subscriptions of the citizens of Auckland, particulars of which were given in last year's Report, naturally led to the re-arrangement of the whole of the Maori Collection. This work has occupied a good deal of time; but as a result the specimens are now arranged in a regular series, and are so displayed that they can be readily inspected by visitors to the Museum. Several noteworthy additions have been received during the year, the most important being a number of ancient burial chests, carved in a singular and antique manner, which were discovered in a burial cave at Waimamaku, near Hokianga. Through the kind offices of the Hon. Mr. Carroll, the Native Minister, the Maori owners have agreed to place these permanently in the Museum. Such articles are exceedingly rare, and are not represented in any other Museum in the Colony. Attention should also be drawn to an interesting series of bone and stone implements collected by Capt. G. Mair on the site of an old Maori workshop, laid bare by the drifting away of a sand-dune near Katikati Harbour, and which has been generously presented by its discoverer. It possesses a special value from the great antiquity of the articles. Important presentations have also been made by Mr. F. J. Williams, Mr. Elsdon Best, and others. Among foreign ethnographical specimens, the chief addition is a collection made on the island of Niue (or Savage Island), by Mr. Percy Smith.

The Council regret that they have been unable to proceed with the erection of the carved house Rangitihī, purchased for the Museum during the previous year. The estimated cost proves to be far more than could be defrayed out of the yearly income, and it would be imprudent to make any further calls on the invested funds of the Society. It has been suggested that the necessary funds for this purpose and for other expenditure required for the extension of the Maori portion of

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the collection might well be supplied by the Government, as a pound for pound subsidy equivalent to the amount subscribed by the citizens of Auckland for the purchase of the Mair Collection, and the Council have approached the Government on the matter. At a recent interview, the Premier expressed the fullest sympathy with the efforts that are being made by the Institute to provide a Maori Museum for Auckland, and the tenor of his remarks encourages the hope that a subsidy may appear on the Estimates for the coming year.

The progress of the Zoological Department of the Museum is necessarily slow, from the want of a resident taxidermist to prepare the specimens for exhibition. Until the funds of the Museum are sufficient to allow of the engagement of a competent workman, little more can be done than to keep in good condition the specimens at present exhibited, and to pack away all additions as they arrive. The Council regret that so far they have been unable to arrange for the preparation of the large groups of mammals intended to occupy the centre of the main hall—an addition which would greatly enhance the appearance of the Museum.

Library.—About 50 volumes have been added to the Library by purchase during the year. The usual exchanges and presentations from foreign Libraries and Institutions have been received, together with a few donations from private individuals. The scientific periodicals and magazines subscribed to by the Institute, a list of which appears in another part of the Report, have been regularly received, and to some extent circulated amongst the members. The importance of extending the Library, and of rendering it more useful to students and scientific workers, is fully recognised by the Council, and the increased funds which will be provided by the Mackechnie Bequest will enable them to make more frequent additions in the future.

Little Barrier Island.—The Institute still retains the management of the Little Barrier Island as a reserve for the preservation of the avifauna of New Zealand. The Curator reports that no attempts have been made to interfere with the birds, and that no unauthorised persons have landed upon the island. The Council are satisfied that if a resident guardian is maintained, the island will long remain a secure home for a considerable portion of the avifauna of New Zealand.

In conclusion, the Council invites the active assistance of the members in furthering the objects of the Institute, either by contributing papers to be read at the meetings, by adding to the Library and Museum, or in any other way. The Council also trust that the general public will afford that liberal support which is due to every public Museum and Library.

The Treasurer in Account with the Auckland Institute and Museum Trust Board,

FEBRUARY 20, 1902, to FEBRUARY 18, 1903.

WORKING ACCOUNT.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, Feb. 20, 1902...	76	6	6	Books, Periodicals, Binding	109	5	5
Subscriptions	141	15	0	Additions to Museum	18	10	0
Interest from Costley Bequest	320	13	9	Museum Requisites	29	1	0
Rents and Interest transferred from Museum Endowment Account	375	15	7	Salaries	415	17	3
Interest from Nathan Bequest	5	0	0	Printing, Advertising, Insurance, Gas, Stationery, Postages, and other expenses ..	109	10	8
Interest from Life Subscription Account	8	8	0	Repairs to Buildings, New Fittings	48	18	2
Miscellaneous Receipts	0	2	4	Land Tax	36	1	11
				Paid to Investment Account, to reduce Loan for Erection of Statue Hall ..	100	0	0
				Miscellaneous	0	18	3
				Balance in Bank of New Zealand, Feb. 18, 1903 ...	59	18	6
	£928	1	2		£928	1	2

Examined and found correct,

W. GORRIE,

Auditor.

February 20, 1903.

T. F. CHEESEMAN,

Treasurer.

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The Treasurer in Account with the Auckland Institute and Museum Trust Board,

FEBRUARY 20, 1902, to FEBRUARY 18, 1903.

MUSEUM ENDOWMENT ACCOUNT.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, Feb. 20, 1902	2	8	9	Transferred to Working Account	375	15	7
Sales of Endowments	147	3	7	Transferred to Investment Account	130	0	0
Rents of Endowments	106	15	0	Miscellaneous Payments	8	0	2
Interest on Investments	269	14	4	Balance in Bank of New Zealand, Feb. 18, 1903	12	5	11
	<u>£526</u>	<u>1</u>	<u>8</u>		<u>£526</u>	<u>1</u>	<u>8</u>

LITTLE BARRIER ACCOUNT.

	£	s.	d.		£	s.	d.
Government Grant for 1901	200	0	0	Balance due Bank of New Zealand, Feb. 20, 1902	2	11	5
Government Grant for 1902	200	0	0	Salary of Curator	150	0	0
Miscellaneous	0	9	0	Miscellaneous Payments	39	14	3
	<u>£400</u>	<u>9</u>	<u>0</u>	Balance in Bank of New Zealand, Feb. 18, 1903	208	3	4
					<u>£400</u>	<u>9</u>	<u>0</u>

Examined and found correct,

W. GORRIE,

Auditor.

T. F. CHEESEMAM,

Treasurer.

February 20, 1903.

Investments of the Auckland Institute.

I.—COSTLEY BEQUEST.

	£	s.	d.	£	s.	d.
On Mortgage on Freehold Security at 5% ...	4,000	0	0			
" " at 5% ...	1,300	0	0			
" " at 5% ...	1,200	0	0			
" " at 5½% ...	400	0	0			
Balance of Loan for Erection of Statue Hall	400	0	0			
Loan for Purchase of Maori House, etc.	162	2	3			
Waiting Investment	237	17	9			
				7,700	0	0
Invested in Real Property—Site of Museum	2,500	0	0			
Expended in Erection of Ethnological Hall...	1,500	0	0			
Expended in Show Cases and other fittings ...	450	0	0			
				4,450	0	0
Grand total of Costley Bequest				12,150	0	0

II.—MUSEUM ENDOWMENT.

On Mortgage on Freehold Security at 4½% ...	1,600	0	0
" " at 6% ..	400	0	0
" " at 5% ...	350	0	0
Government 4% Debentures	3,600	0	0
Balance of Newmarket Property	50	16	2
Waiting Investment	10	0	0
	6,010	16	2

III.—NATHAN BEQUEST.

On Mortgage on Freehold Security at 5% ...	100	0	0
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IV.—LIFE SUBSCRIPTION ACCOUNT

On Mortgage on Freehold Security at 5% ...	150	0	0
Deposited in Auckland Savings Bank	35	10	0
	185	10	0
	£18,446	6	2
Proportion available for Interest...	£13,996	6	2

Deeds and Securities examined and found in order.

W. GORRIE,

February 20, 1903.

Auditor.

Additions and Donations

TO THE

Library Museum.

.....

- Parliamentary Papers and Reports; New Zealand Hansard for 1902; New Zealand Statistics; New Zealand Census Returns; New Zealand Official Year Book.—The New Zealand Government.
- Transactions of the New Zealand Institute, vol. 34.—The Manager of the New Zealand Institute.
- Journal of the Polynesian Society, vol. 11.—The Society.
- Annual Report of the Department of Mines, New South Wales; Handbook to the Mining and Geological Museum, Sydney; Mineral Resources of New South Wales, No. 10.—The Department of Mines.
- Journal of the Linnean Society of New South Wales, parts of vols. 26, 27.—The Society.
- Journal and Proceedings of the Royal Society of New South Wales, vol. 35.—The Society.
- Report of the Australian Museum, Sydney.—The Museum.
- Proceedings of the Royal Society of Victoria, vol. 15, parts 1 and 2.—The Society.
- Proceedings of the Royal Society of Queensland, vol. 16.—The Society.
- United States Consular Reports; Sources of the Agricultural Imports of the United States; Distribution of the Agricultural Exports of the United States.—The Secretary of State, United States.
- Pieters and Brown's Kentucky Blue-grass Seed; Wood's Observations on the Mosaic Disease of Tobacco; Hopkin's Insect Enemies of the Pine; Report of Thirteenth Meeting of Economic Entomologists; Hillman's Seeds of Rescue Grass and Chess; Ferguson's Germination of the Spores of Agaricus; Banks' Principal Insects liable to be distributed in Nursery Stock; Chittenden's Some Insects Injurious to Vegetable Crops; Simpson's Report on the Codlin Moth; Banks' Index to Bulletins of the Department; Kearney's Botanical Survey of the Dismal Swamp; Hart Merriam's Biological Investigation of Hudson's Bay; Hall and Schrenk's The Hardy Catalpa; Sedgwick's Root-rot of Taro; Report of Fourteenth Meeting of Economic Entomologists; Miscellaneous Results of the Work of the Division of Entomology; Contributions to the United States National Herbarium, parts of vols. 5 and 7.—The Department of Agriculture, U.S.A.
- Annual Report of the American Museum of Natural History; Bulletin, vol. 17; vols. 11-15; Memoirs, vols. 4, 5, 7; Basketry Designs of the Indians of California; Beutenmuller's Sesiidae of North America; Dixon's Maidu Myths.—The Museum.

- Annual Report (vol. 19) of the Bureau of Ethnology, United States; Boas' Kathlamet Texts.—The Bureau.
- Annual Report of the Field Columbian Museum for 1900-1901: The Oraibi Ceremony; Rigg's Dinosaur Beds of the Grand River; Rigg's Fore-leg and Pectoral Girdle of *Morasaurus*; Elliott's List of Mammals of North America; Elliott's Caribou of Alaska; Dorsey's Archaeological Investigations on the Island of La Plata.—The Field Columbian Museum.
- Baker's Anatomy of *Limnaea emarginata*; Weller's Crinoidea of the neighbourhood of Chicago.—The Chicago Academy of Sciences.
- Thirtieth Report of the Illinois Institution for the Education of the Deaf and Dumb; Report on the Deaf for 1899, State of New York; Fifth Report of the New York Home for the Training in Speech of Deaf Children.—The Volta Bureau, Washington.
- Annual Reports of the U.S. National Museum for 1898 and 1899; Bulletin, No. 50; Proceedings, vol. 22; List of Observatories.—The Smithsonian Institution.
- Annals of the Observatory of Harvard College, vols. 29, 40, 41, 42.—The Observatory.
- Contributions to Canadian Palaeontology, parts of vols. 2 and 3.—The Geological Survey, Canada.
- Memoirs of the Bishop Museum, Honolulu, vol. 1, No. 4; Occasional Papers, vol. 1, No. 5.—The Museum.
- Publications of the Observatory of Rio Janeiro for 1900-1901.—The Observatory.
- Symonds' Monthly Meteorological Magazine.—The Editor.
- Various Parts of the Kew Bulletin and Icones Plantarum for 1901-1902.—The Director, Royal Gardens, Kew.
- Proceedings of the Royal Colonial Institute, vol. 33.—The Colonial Institute.
- Annals of the Royal Observatory of Edinburgh, vol. 1, 1902.—The Observatory.
- Reports and Other Publications of the Deutsche Seewarte.—The Seewarte.
- Annals and Meteorological Records of the Observatory of Odessa.—The Observatory.
- Niederlein's Vegetable Resources of the French Colonies.—The Author.
- Complete Set of Humboldt and Boupland's Works, 17 vols.—Rev. Dr. Kinder.
- Encyclopédie Méthodique, Hunting and Fishing, 2 vols.—Maurice Donny.
- Rosny's People of Indo-China.—The Author.
- Vegetables and Flowers from Seeds in Tropical, Semi-tropical, and Temperate Climates.—Sutton and Sons.
- Möller's Cod Liver Oil and Chemistry.—The Author.

BOOKS PURCHASED.

- Bailey's Cyclopedia of American Horticulture, 4 vols.
Supplement to Index Kewensis, 2 parts.
Bentham's Flora Australiensis, 7 vols.

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Flora Capensis, vols. 6 and 7.
 Saville Kent's Great Barrier Reef of Australia.
 Seebohm's Birds of Siberia.
 Radot's Life of Pasteur, 2 vols.
 Scientific Memoirs of Huxley, vol. 4.
 Cambridge Natural History, Mammalia.
 Ramsay's Gases of the Atmosphere.
 Lewes's Acetylene.
 Richard's Aluminium, 2nd edition.
 Lange's Coal Tar and Ammonia.
 Philosophical Transactions and Proceedings of the Royal Society, 1902;
 Year-book of the Royal Society.
 Zoological Record for 1901.
 Journal of the Chemical Society, 1902.
 Journal of the Royal Geographical Society, 1902.
 Journal of the Royal Agricultural Society, 1902.
 Quarterly Journal of the Geological Society, 1902.

Chatham Island Warbler (*Gerygone albofrontata*).—Miss Brown.
 Long-tailed Cuckoo (*Eudynamis taitensis*).—H. Turner.
 Albino Pigeon.—Hon. E. Mitchelson.
 Skin of Dabchick (*Podiceps rufipectus*).
 Skin of Petrel (*Majaqueus Parkinsonii*).—T. W. King.
 Skin of Starling, in winter plumage.—H. F. Fadyen.
 Skin of Petrel (*Puffinus griseus*).—E. H. Harvey.
 Two Black Rats.—F. V. Dight.
 One Case Stuffed Kiwis.—Deposited by Mrs. Halcombe.
 Eggs of North Island Wood Hen (*Ocydromus*).—"A Friend."
 Cuttle-fish.—C. Graham.
 Tail of Thresher-shark; Eggs of Cephalopods.—Capt. Farquhar.
 New Zealand and Foreign Shells.—Rev. W. Webster.
 Crustaceans dredged in the Bay of Plenty at a depth of 300 fathoms.—
 H.M.s. "Penguin."
 Cat-fish (*Anema monopterygium*).—Dr. Mackellar.
 Lamprey.—A Clements.
 Lamprey.—R. M. Coulthard.
 Hepialus veirescens.—Miss Harrop.
 Collection of Insects made in Natal.—Dr. Bakewell.
 Nautilinus elegans.—H. Boscawen.
 Nautilinus elegans.—G. W. Basley.
 Beetles from New South Wales.—J. Woodhead.
 Flying-fish.—Capt. Macdonald.
 Bituminous Coal perforated by Pholas.—C. Ratjen.
 Fossil Leaves from Mercury Bay.—J. H. James.

Eight Ancient Carved Burial Chests or Coffins, found in a burial cave at Waimamaku near Hokianga.—Presented by the Hon. Jas. Carroll, Native Minister, on behalf of the Maori inhabitants of Hokianga.

Ancient Carved Poupou, or Wall-slab, from a Carved House formerly standing at Whangara, near Tolaga Bay.—F. J. Williams.

Numerous Stone, Bone, and Shell Implements, found in an ancient Maori Workshop, near Katikati; Bowl carved out of Pumice.—Capt. G. Mair.

Ancient Bone Comb.—R. H. Matthews.

Tewhatewha, or Battle-axe.—Hare Ngairo.

Large Eel-trap.—I. J. Hawkins.

Figure Head from the War Canoe Popokurau, over 200 years old; Greenstone Drill, or Chisel.—G. Graham.

Antique Greenstone Ornament.—Deposited by B. C. Chaytor.

Maori Stone Axes.—P. Reid.

27 Spears and other Articles from Niue (Savage Island).—S. Percy Smith.

Australian Spears.—W. D. Campbell.

Fijian Pineapple Club; 2 Spears.—A. Sinclair.

Stone Axe, with elaborately carved wooden handle, from Aitutaki, Cook Islands.—J. T. Large.

Chinese Match-lock; Knife and Coins from the Maldive Islands.—J. Marsh.

Carved Walking-stick of Australian Oak.—W. H. Roche.

Leg Shackles from Norfolk island.—W. Blyth.

3 Rifles taken during the Boer War; Bell.—Col. Banks.

Mauser Rifle taken during the Boer War.—Thomson.

Sail made of Albatross Skins, from Surprise Island.—Miss Firth.

Chinese Coins.—A. Williams.

Two Copper Coins.—P. Black.

List of Members

FOR THE YEAR ENDING MARCH 31ST, 1903.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS.*]

Adams, J., B.A., Thames
Aickin, G., Auckland
Armitage, F. C., Ellerslie
Aubin, E. D., M.D., Thames
Austin, A. D., F.R.A.S., Auckland

Bagley, C., Epsom
Bagnall, L. J., Thames
Bakewell, R. H., M.D., Auckland
Ball, W. T., Auckland
Bankart, A. S., Auckland
Bartley, E., Devonport
*Bates, T. L., Newcastle, N.S.W.
Batger, J., Auckland
Beere, D. M., C.E., Auckland
Berry, W., Auckland
Best, Elsdon, Te Whaiti
Brain, W. B., Auckland
Brett, H., Auckland
Broun, Captain T., F.E.S., Drury
Brown, Prof. F. D., Auckland
Brown, J., Epsom
Buchanan, J., Auckland.
*Buckland, A., Auckland.
Burgess, E. W., Devonport
Burns, J., Auckland
*Burton, Colonel, Lake Takapuna
Busck, A., Auckland

Cameron, R., Auckland
Campbell, H., Auckland
*Campbell, J. L., M.D., Auckland
Carey, M. F., Auckland
Carnie, A. R., Auckland
Carr, R. A., Auckland
Casey, M., Auckland
Chambers, J., Parnell
Cheal, P. E., Auckland
Cheeseman, T. F., F.L.S., Auckland
Cheeseman, H. H., M.D., Coromandel
Ching, T., Remuera
Clark, M. A., Auckland
Clarke, E., Auckland
Cochrane, W. S., Auckland

Combes, F. H., Auckland
Cooper, C., Auckland
Cooper, T., Auckland
Cozens, G., Auckland
Craig, E., Auckland
Craig, J. J., Auckland
Croscher, W., Auckland
Cussen, L., Hamilton

Danneferd, S., Auckland
Darby, P., Auckland
Duthie, D. W., Auckland

Edson, J., Devonport
Egerton, Prof. C. W., Auckland
Ewington, F. G., Auckland

Farmer, J., London
*Fowlds, G., Auckland
Fox, C. H., St. John's College

Gilbert, T., Parnell
Girdler, Dr., Auckland
Goldie, D., Auckland
Goldie, W. H., M.D., Auckland
Gorrie, W., Auckland
Gray, S., Auckland

Haines, C. H., M.D., F.R.G.S., Auckland
Haines, H., F.R.C.S., Auckland
Hardie, J., Auckland
Harding, S., C.E., Auckland
Haszard, H. D. M., Thames
Henton, J. S., Auckland
Herbert, T., Parnell
Howden, J., Auckland
Howell, J. H., Auckland
Hume, J., Remuera
Hunter, A. J., Parnell

Johnson, H. D., Te Aroha
Jones, H. W., Papakura

Kenderdine, J., Auckland
Kidd, A., Auckland
Kirker, J., Auckland
*Kitt, T. W., London

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Lennox, J. M., Auckland
*Lennox, N. G., Sydney
Leys, T. W., Auckland

McMillan, C. C., Auckland
Mahoney, T., Auckland
Mair, Captain G., Thames
Mair, S. A. R., Rangitikei
Mair, Major, W. G., Auckland
Makgill, R. H., M.D., Auckland
Mander, F., Whangarei
Marsack, A. E., M.D., Parnell
Martin, J., F.G.S., Auckland
Masefield, T. T., Auckland
MacCulloch, C., Auckland
McLean, M., Auckland
McDowell, W. C., M.D., Auckland
McLachlan, J. M., Auckland
Millar, A., Auckland
Miller, E. V., Chelsea
Moody, T. P., Hikuturangi
Morton, H. B., Auckland
Morrin, T., Auckland
Montgomery, A., Auckland
Mue'ller, G., Auckland
Mugan, A. K., Auckland
Munro, G. C., Sandwich Islands
Murdoch, D. L., Auckland
Myers, A. M., Auckland

Nathan, L. D., Auckland
Nicholson, O. R., Auckland

Pabst, Dr., Auckland
Parker, W. F., Auckland
Partridge, H. E., Auckland
Patterson, G. W. S., Auckland
Peacock, T., Auckland
Petrie, D., F.L.S., Auckland
Philcox, W., Devonport
Pinfold, Rev. J. T., F.G.S., Parnell
Pond, J. A., Auckland
Potter, A. T., Whangarei
Purchas, Rev. A. G., M.R.C.S.,
Auckland
Purdie, E. C., Auckland

Reid, J., Auckland
Robertson, E., M.D., Auckland
*Russell, T., C.M.G., London

Seegner, C., Auckland
Segar, Prof. H. W., Auckland
Shakespear, R. H., Little Barrier
Shaw, H., Auckland
Sinclair, A., Auckland
Smith, C. E., Auckland
Smith, H. G. S., Auckland
Smith, S. F., F.R.G.S., Wellington
Smith, T. H., Auckland
Speight, W. J., Auckland
Stewart, J., C.E., Auckland
Streeter, S. C., Auckland
Suter, H., Auckland
Swale, H., M.D., Remuera

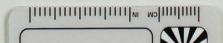
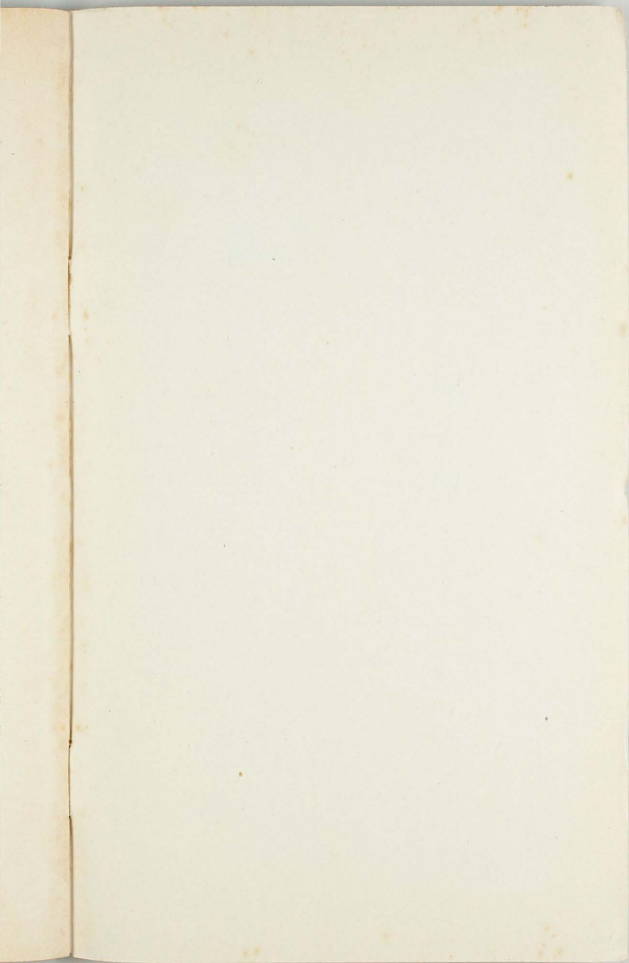
Talbot-Tubbs, Prof. H. A., Auckland
Tewsley, H. C., Auckland
Thomas, Prof. A. P. W., F.L.S.,
Auckland
Tibbs, J. W., Auckland
*Tinne, H., London
Tucker, W. F., Ellerslie

Upton, J. H., Auckland
Urquhart, A. T., Karaka

Vaile, E. E., Auckland

Walsh, Rev. P., Waimate
Waterworth, A., Auckland
Ward, P., Auckland
Webster, J., Hokianga
Webster, Rev. W., Waiuku
*Weetman, S., F.R.G.S., Christ-
church
Will, W., Auckland
Williams, T. O., M.D., Auckland
Williams, Right Rev. W. L.,
Bishop of Waiapu, Napier
Wilson, A. P., Auckland
*Withy, E., Opotiki
Wrigg, A. A., C.E., Auckland
Yates, E., Auckland

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